



Attorney Docket 2000/16 CIP2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant)	Mabrouk OUEDERNI et al
Application No.)	10/721,964
Filed)	November 25, 2003
Title)	AIR LAID WEB WITH HOLLOW SYNTHETIC FIBERS
Examiner)	Samchuan Cua Yao
Art Unit)	1733

Charlotte, North Carolina
March 2, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450 USA

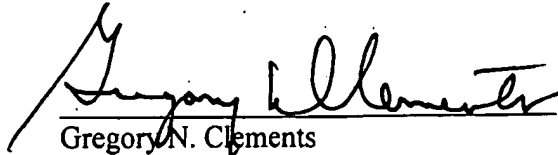
REQUEST TO CORRECT SPELLING OF FIRST INVENTOR'S NAME

Dear Sir:

It has come to our attention that the name of the first inventor, Mabrouk **OUEDERNI**, is spelled incorrectly (i.e., **QUEDERNI**) in the U. S. Patent and Trademark Office as shown on PAIR and evidenced by the attached copies. Office Actions are also indicating the incorrect spelling. The application as submitted and corresponding transmittals indicated the correct spelling.

Kindly make the correction the U. S. Patent and Trademark Office records to reflect the correct spelling of the first inventor's name as Mabrouk **OUEDERNI**.

Respectfully submitted,



Gregory N. Clements
Attorney for Applicant
Registration No. 30,713
DOUGHERTY | CLEMENTS
1901 Roxborough Road, Suite 300
Charlotte, North Carolina 28211
Telephone: (704) 366-6642
Facsimile: (704) 366-9744

GNC/nb

Enclosures

- Copies of PAIR pages dated 3/2/06
- Copy of first page of application
- Copy of PTO05 and PTO17

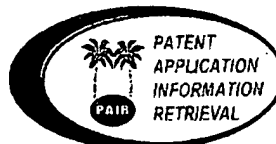
F:\wpnet\kosa\patent\2000-16CIP2\noticetoptocorrectspelling3-2-06



United States Patent and Trademark Office

[Home](#) | [Site Index](#) | [Search](#) | [FAQ](#) | [Glossary](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBiz alerts](#) | [News](#) | [Help](#)

PATENT APPLICATION INFORMATION RETRIEVAL



Search results as of: 3-2-2006::9:12:51 E.T.

Search results for application number: 10/721,964			
Application Number:	10/721,964	Customer Number:	-
Filing or 371(c) Date:	11-25-2003	Status:	Final Rejection Mailed
Application Type:	Utility	Status Date:	02-07-2006
Examiner Name:	YAO, SAMCHUAN CUA	Location:	ELECTRONIC
Group Art Unit:	1733	Location Date:	-
Confirmation Number:	4353	Earliest Publication No:	US 2004-0103970 A1
Attorney Docket Number:	2000-16 CIP-2	Earliest Publication Date:	06-03-2004
Class/ Sub-Class:	156/062.2	Patent Number:	-
First Named Inventor:	Mabrouk Quederni, Charlotte, NC (US)	Issue Date of Patent:	-
Title Of Invention:	Air-laid web with hollow synthetic fibers		

Search Options

Continuity Data
Image File Wrapper
Published Documents

Incorrect

File History	
Date	Contents Description
02-07-2006	Mall Final Rejection (PTOL - 326)
02-06-2006	Final Rejection
12-29-2005	Date Forwarded to Examiner
12-07-2005	Response after Non-Final Action
10-18-2005	Mall Non-Final Rejection
10-17-2005	Non-Final Rejection
10-17-2005	Mall Miscellaneous Communication to Applicant
11-25-2003	Information Disclosure Statement considered
04-15-2005	Correspondence Address Change
04-15-2005	Correspondence Address Change
12-03-2004	IFW TSS Processing by Tech Center Complete
12-01-2004	Case Docketed to Examiner In GAU
11-25-2003	Reference capture on IDS
12-01-2004	Correspondence Address Change

US PATENT & TRADEMARK OFFICE
PATENT APPLICATION FULL TEXT AND IMAGE DATABASE

(1 of 1)

United States Patent Application**20040103970****Kind Code****A1****Quederni, Mabrouk ; et al.****June 3, 2004**

Air-laid web with hollow synthetic fibers

Abstract

The present invention relates to a single layer air-laid composition comprising: hollow synthetic fiber, absorbent and a binder system. The hollow fiber comprises from about 10 to about 50 percent by weight of said composition. The hollow synthetic fiber has a denier of between about 2 to about 18. The hollow synthetic fiber is selected from the class of polyolefins, polyesters, polyamides, acrylics, as well as mixtures and copolymers thereof. The absorbent comprises from about 40% to about 80% of the weight of said composition. The absorbent is a natural absorbent, or a synthetic absorbent, or a mixture of these. The natural absorbent is selected from the class of wood pulp fluff, cotton, cotton linters, and regenerated cellulose fibers, or a mixture of these. The synthetic absorbent is selected from the class of agar, pectin, guar gum, and synthetic hydrogel polymers. The binder fiber comprises from about 3 to about 15 percent by weight of said composition.

Inventors: **Quederni, Mabrouk; (Charlotte, NC) ; Latten, Paul L.; (Huntersville, NC)****Correspondence** **DOUGHERTY, CLEMENTS & HOFER****Name and** **1901 ROXBOROUGH ROAD****Address:** **SUITE300**
CHARLOTTE
NC
28211
US**Serial No.:** **721964****Series Code:** **10****Filed:** **November 25, 2003****U.S. Current Class:****156/62.2; 442/361; 442/409; 442/417****U.S. Class at Publication:****156/062.2; 442/361; 442/409; 442/417****Intern'l Class:****D04H 001/00**



United States Patent and Trademark Office

[Home](#) | [Site Index](#) | [Search](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBiz alerts](#) | [News](#) | [Help](#)

Assignments on the Web > Patent Query

Patent Assignment Details

NOTE: Results display only for issued patents and published applications. Pending or abandoned applications please consult USPTO staff.

Reel/Frame: 015340/0869

Recorded: 05/17/2004

Page

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Total properties: 1

1 Patent #: NONE Issue Dt: Application #: 10721964 Filing Dt: 11/25/2
Publication #: US20040103970 Pub Dt: 06/03/2004
Title: Air-laid web with hollow synthetic fibers

Assignor

1 QUEDERINI, MABROUK*Correct*

Exec Dt: 05/09/2004

Assignee

1 ARTEVA NORTH AMERICA S.A.R.L.

TALSTRASSE 80

8001 ZURICH, SWITZERLAND

Correspondence name and address

DOUGHERTY, CLEMENTS & HOFER

GREGORY N. CLEMENTS

1901 ROXBOROUGH RD.

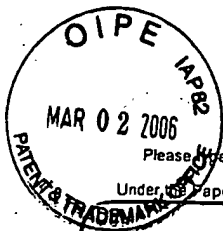
SUITE 300

CHARLOTTE, NC 28211

Search Results as of: 03/02/2006 10

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 571-272-3350

[HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)



PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	2000-16 CIP-2
First Inventor	Mabrouk Ouederni
Title	Dry-Laid Web with Hollow Synthetic Fibers
Express Mail Label No.	EV 402538495 US

correct

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 19]
(Preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets 0]
5. Oath or Declaration [Total Pages 2]
 - a. ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - b. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Petition Under 37 C.F.R. 1.47(a)

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP)

of prior application No.: 10 / 345,001

Prior application information: Examiner YAO, SAM CHAUN CUA

Group Art Unit: 1733

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

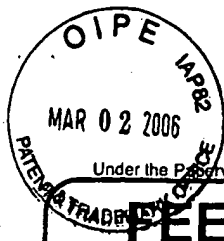


or ☐ Correspondence address below

Name	DOUGHERTY, CLEMENTS & HOFER				
Address	1901 Roxborough Road, Suite 300				
City	Charlotte	State	NC	Zip Code	28211
Country	USA	Telephone	704-366-6642	Fax	704-366-9744

Name (Print/Type)	Gregory N. Clements	Registration No. (Attorney/Agent)	30,713
Signature		Date	11/25/2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)
\$810.00

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Ouederni et al.
Examiner Name	
Art Unit	
Attorney Docket No.	2000/16 CIP-2

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number: 04-1448
Deposit Account Name: Dougherty, Clements, & Hofer

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	\$770.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 770.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
20	-20** = 0	0	0
3	-3** = 0	0	0
Multiple Dependent		0	0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$40.00
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

SUBMITTED BY

Name (Print/Type)	Gregory N. Clements	Registration No. (Attorney/Agent)	30,713	Telephone	704-366-6642
Signature		Date	11/25/2003		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



AIR-LAID WEB WITH HOLLOW SYNTHETIC FIBERS

RELATED APPLICATION

This application is a continuation-in-part of U.S.S.N. 10/345,001 filed January 15, 2003 in the name of Mabrouk Ouederni, which was itself a continuation-in-part of U.S.S.N. 09/896,799 filed June 29, 2001.

Correct

BACKGROUND OF THE INVENTION

1) FIELD OF THE INVENTION

The present invention relates to a single layer air-laid composition useful as an absorbent core in diapers, incontinent pads, sanitary napkins and other absorbent pads needed for body fluids. In particular, the present invention comprises a composition of an absorbent comprising wood pulp and optionally a super absorbent polymer, a binder system, and up to 50% hollow synthetic fibers based on the total composition weight. The composition of the present invention has an improved loft, compression resistance and fluid intake rate superior to existing composites based on natural absorbents and non-hollow synthetic fibers.

Diapers, incontinent pads, sanitary napkins, and other absorbent pads used for uptaking bodily fluids generally consist of several layers. A hydrophilic top layer is generally employed for rapid uptake of any insulting fluid. This is often followed by a high lofted bulky layer. The bulky layer is not provided with any liquid absorbing capacity in itself, but rather serves to disperse the insulting liquid to a broader surface area of the next layer, the absorbent core. This engages a greater percentage of the absorbent located in the core, prevents gel blocking, and gives the absorbent core a greater liquid storage capacity. The bulky layer is often a hydrophobic composition, in order to prevent strikethrough and rewet. The absorbent core



United States Patent and Trademark Office

[Home](#) | [Site Index](#) | [Search](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBlz alerts](#) | [News](#) | [Help](#)

Assignments on the Web > Patent Query

Patent Assignment Abstract of Title

**NOTE: Results display only for issued patents and published applications.
For pending or abandoned applications please consult USPTO staff.**

Total Assignments: 3

Patent #: NONE

Issue Dt:

Application #: 10721964 Filing Dt: 11/25/2003

Publication #: US20040103970 Pub Dt: 06/03/2004

Inventors: Mabrouk Quederni, Paul L. Latten

Title: Air-laid web with hollow synthetic fibers

incorrect

Assignment: 1

Reel/Frame: 014646/0250

Recorded: 05/19/2004

Pages: 9

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignor: ARTEVA NORTH AMERICA S.A.R.L.

Exec Dt: 05/03/2004

Assignee: INVISTA NORTH AMERICA S.A.R.L.

TALSTRASSE 80

8001 ZURICH, SWITZERLAND

Correspondent: INVISTA S.A.R.L.

GREGORY N. CLEMENTS

4501 CHARLOTTE PARK DRIVE

CHARLOTTE, NC 28217-1979

Assignment: 2

Reel/Frame: 015340/0869

Recorded: 05/17/2004

Pages: 4

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: OUEDERINI, MABROUK

Correct

Exec Dt: 05/09/2004

Assignee: ARTEVA NORTH AMERICA S.A.R.L.

TALSTRASSE 80

8001 ZURICH, SWITZERLAND

Correspondent: DOUGHERTY, CLEMENTS & HOFER

GREGORY N. CLEMENTS

1901 ROXBOROUGH RD.

SUITE 300

CHARLOTTE, NC 28211

Assignment: 3

Reel/Frame: 016027/0416

Recorded: 02/25/2005

Pages: 4

Conveyance: ADDRESS CHANGE

Assignor: INVISTA NORTH AMERICA S.A.R.L.

Exec Dt: 02/11/2005

Assignee: INVISTA NORTH AMERICA S.A.R.L.

4501 CHARLOTTE PARK DRIVE

CHARLOTTE, NORTH CAROLINA 28217-1979

Correspondent: INVISTA NORTH AMERICA S.A.R.L.

4501 CHARLOTTE PARK DRIVE
CHARLOTTE, NORTH CAROLINA 28217-1979
ATTENTION: GEOFFREY R. SEANTLEBURY

Search Results as of: 03/02/2006 09:49 AM

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 571-272-3350

[| .HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)



EXPRESS MAIL CERTIFICATE

Express Mail No.: - EV 860437974 US

Date of Deposit: - March 2, 2006

Type of Document(s): - Transmittal Form (PTO/SB/21)
- Response to Final Office Action
(9 pages)
- Request to Correct Spelling of First Inventor's name
- (10 pages including attachments)
- Postcard Receipt

Application No.: - 10/721,964

Filed: - November 25, 2003

Applicant(s): - Mabrouk OUEDERNI et al.

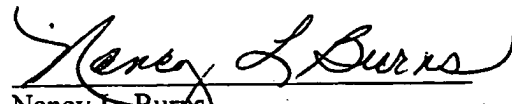
Title: - AIR LAID WEB WITH HOLLOW SYNTHETIC
FIBERS

Examiner: - Samchuan Cua Yao

Art Unit: - 1733

Attorney Docket No.: - 2000-16 CIP-2

I hereby certify that the above-referenced documents are being/have been deposited with the United States Postal Service "Express Mail Post Office to Addressee" in accordance with 37 CFR 1.10 on the above-referenced date and are being/have been addressed to: **Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 USA.**


Nancy L. Burns
Legal Assistant

EV860437974US